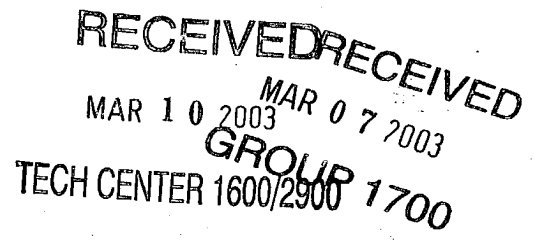


#8



A high-contrast, black and white image of a small, irregularly shaped, textured object, possibly a piece of debris or a small animal, centered against a solid black background. The object has a grainy, speckled appearance with some darker, more solid-looking areas in the center, suggesting internal structure or composition. The edges are jagged and uneven.

(31-11)



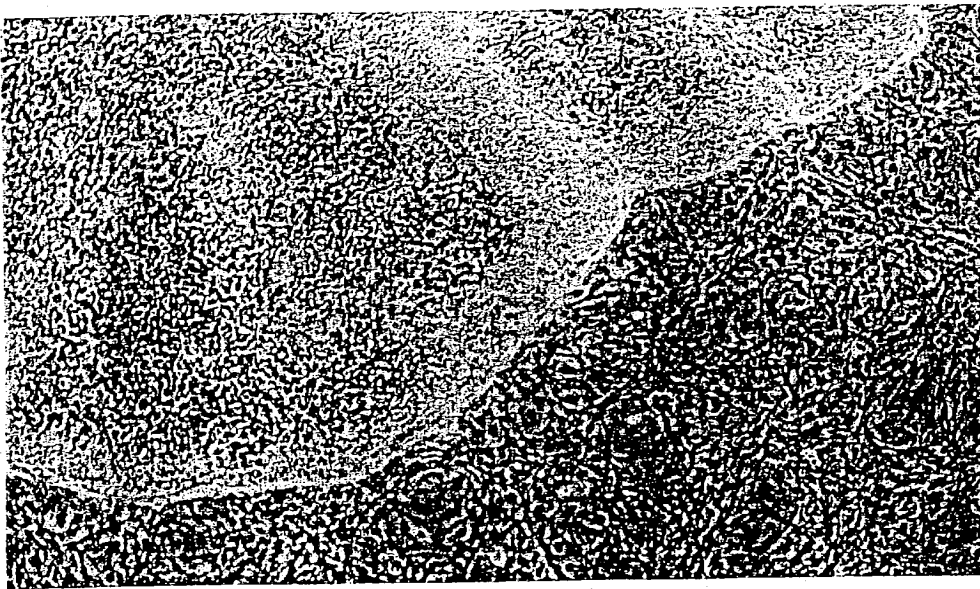
A circular black ink stamp. The outer ring contains the text "O I P F" at the top and "PATENT &amp; TRADEMARK OFFICE" at the bottom. In the center, the date "MAR 05 2003" is stamped. The text "JC109" is visible in the upper right quadrant of the stamp.

A dark, grainy, black and white image showing a textured surface. In the center, there is a prominent, irregular, light-colored circular mark that resembles a fingerprint or a smudge. The background is dark and has a fine, pebbled texture.

(31-25)



FIGURE 4

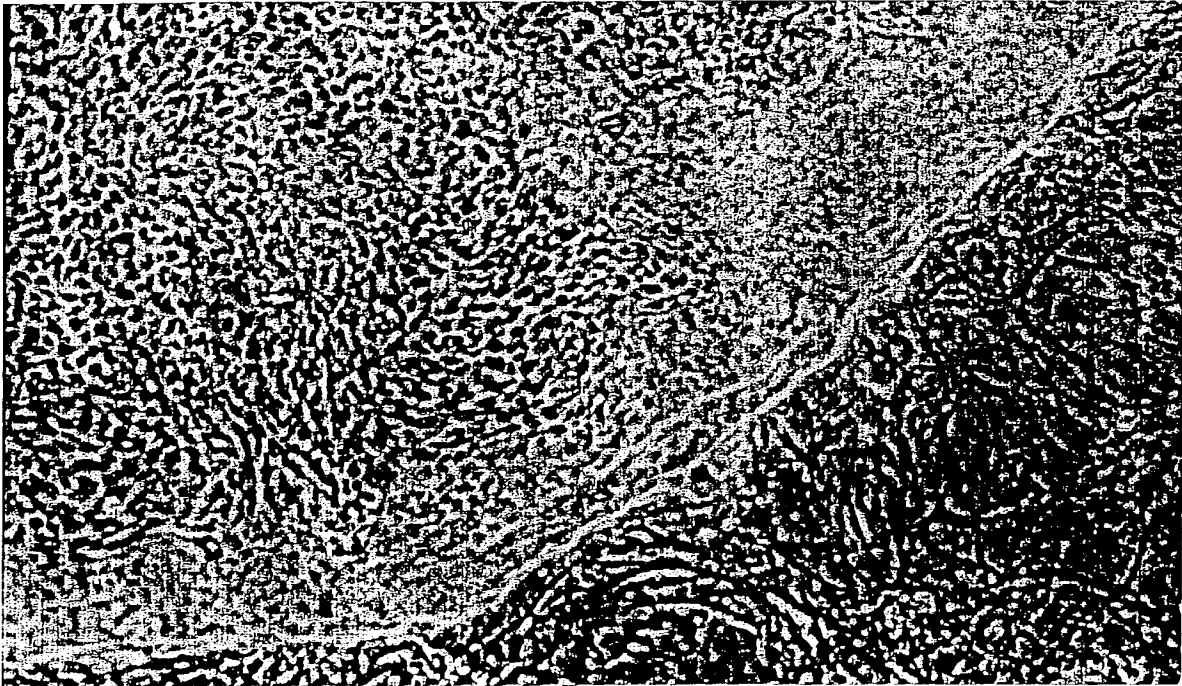


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FIGURE 5



132-3

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A high-contrast, black and white image showing a dense, textured surface. The texture is composed of numerous small, dark, irregular shapes (possibly pores or fibers) distributed across a lighter, grainy background. The overall appearance is that of a microscopic view of a material or a heavily textured surface. The image is framed by a thin black border.

(32-5)

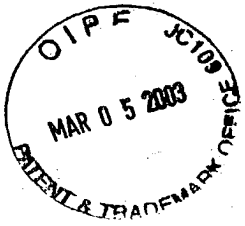
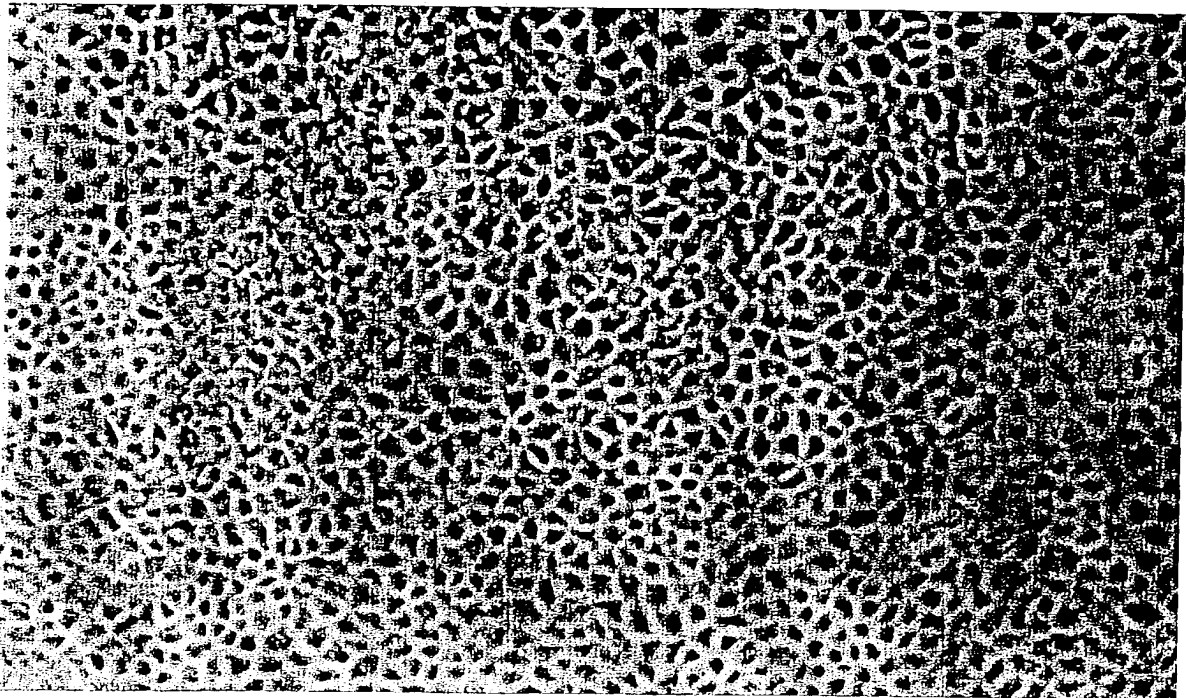


FIGURE 7



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A high-contrast, black and white photograph showing a close-up of a textured surface, possibly a wall or ceiling. The image is characterized by a grainy, stippled texture. On the left side, there is a large, dark, irregular shape that appears to be a shadow or a hole in the surface. The rest of the image is filled with a complex pattern of light and dark specks, creating a sense of depth and texture.

(35-6)



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A high-contrast, black and white image showing a dense, textured surface, possibly a wall or a large rock formation. The texture is granular and uneven, with many small, light-colored specks and pits against a darker background. In the lower-left corner, there is a dark, irregular shape that appears to be a shadow or a recessed area. The overall image has a grainy, almost abstract quality.

(35-8)

OIPF JC109 OFFICE  
 MAR 05 2003  
 PATENT & TRADEMARK

A high-contrast, black and white photograph of a rough, textured surface, possibly a rock face or a wall. The image shows vertical fissures and horizontal ridges, creating a complex, irregular pattern. The lighting is dramatic, with deep shadows and bright highlights, emphasizing the texture.

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12 05 2003  
UNITED STATES OF AMERICA

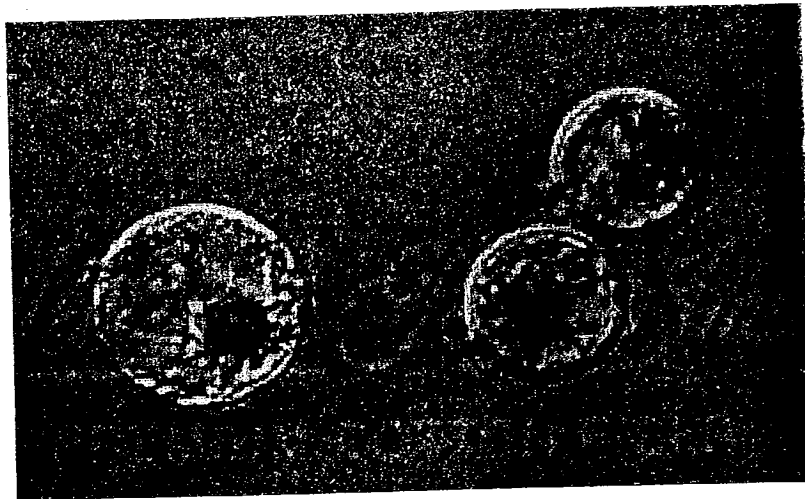


FIG. 11

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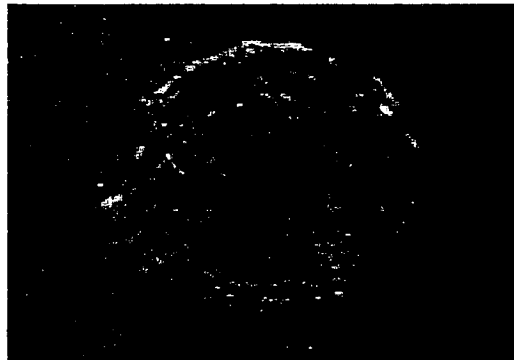
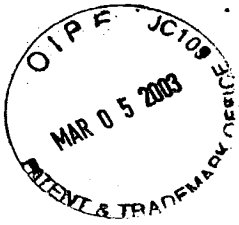
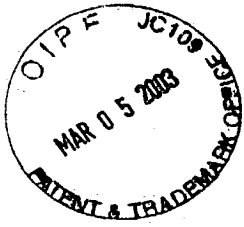


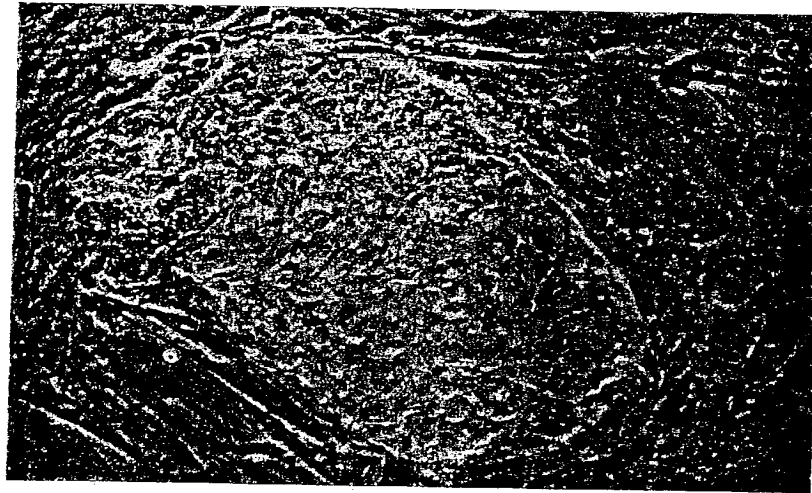
FIG. 12



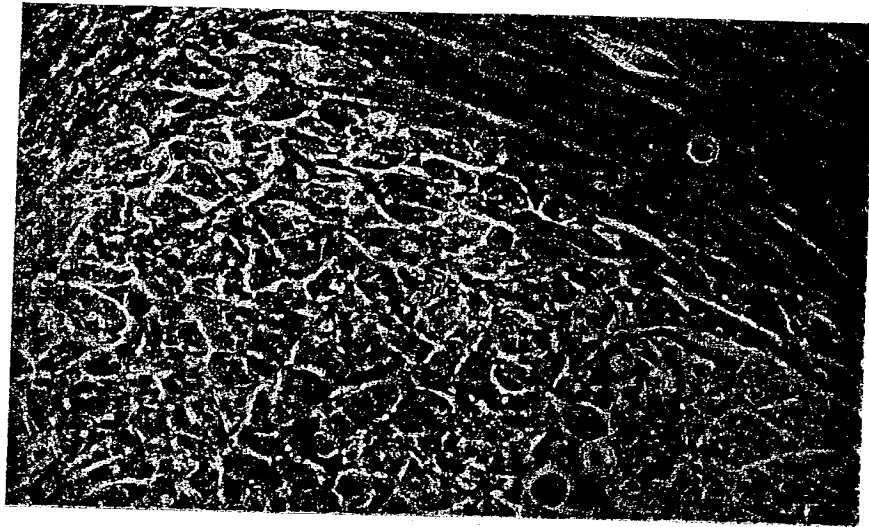
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**FIG. 14**



**FIG. 15**

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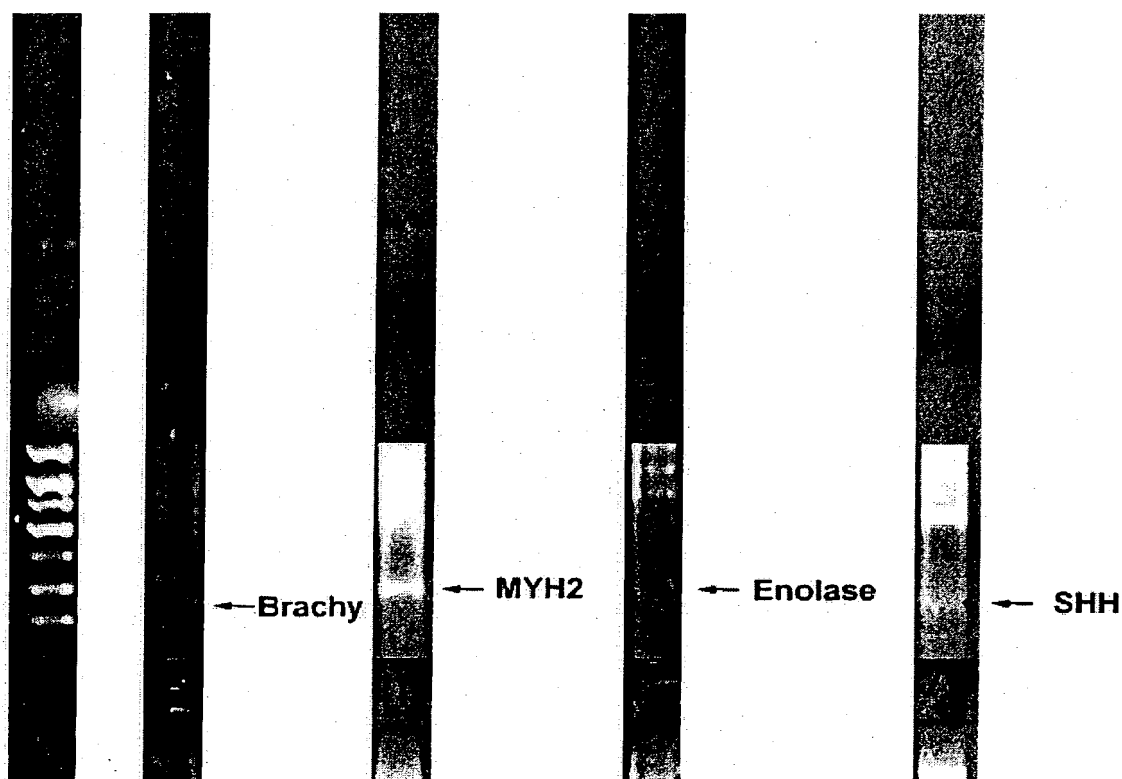


Figure 16. RT-PCR results demonstrating differentiation of multiple somatic cell types in differentiating PPSCs. Brachy: Brachyury (T) protein, MYH2: Skeletal myosin Heavy Polypeptide 2, Enolase: Human neuron-specific Enolase 2, SHH: Human homolog of Sonic Hedgehog.



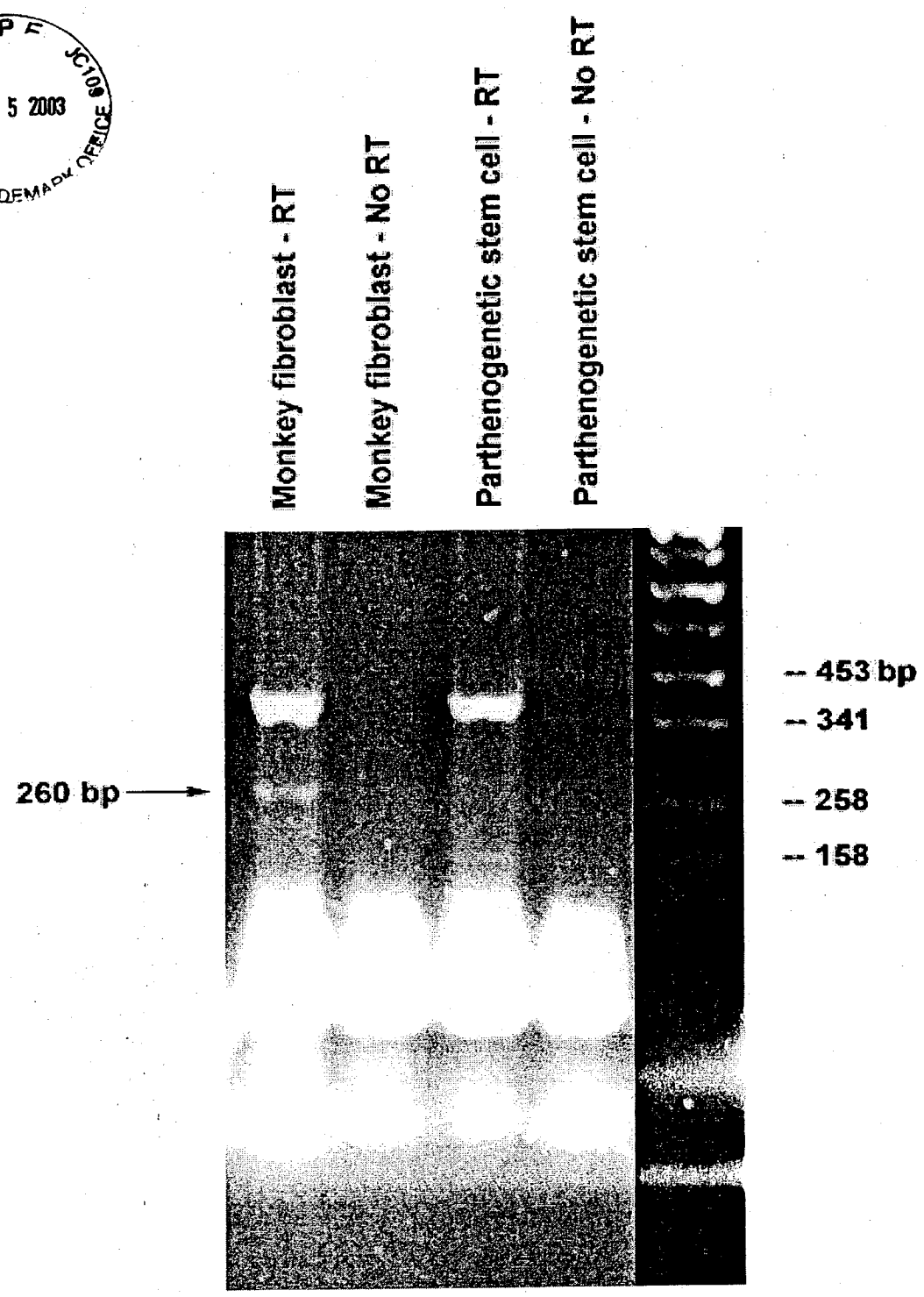
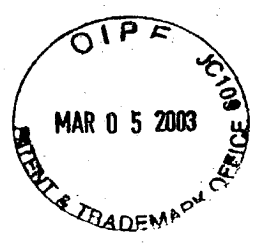


Figure 17. RT-PCR for *snrpn* in PPSCs.